Project Name/Location: Contract Number: W9127N-05-C-0012

Columbia River Channel Improvement - *RM 13+30 to 14+45*

Date: 09/03/2005

Dredging	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
Load Number	DR-1	19.4	6:45:17	7360288.21	939504.66	3.7	
832	DR-2	19.2	6:46:36	7359845.64	939528.97	32.2	8.4
Tidal Stage	DR-2R1	19.0	6:46:41	7359824.55	939529.84	22.4	8.4
Ebb	DR-4	18.5	6:48:22	7359316.38	939295.27	20.0	
Dredge State:	DR-4R1	18.5	6:48:27	7359294.54	939277.92	14.2	
Overflow through	DR-3	17.9	6:51:08	7360309.07	939370.12	22.8	
skimmers only	DR-3R1	18.4	6:51:11	7360309.07	939370.12	17.6	
Weather:							
Light Showers							
Wind:							
0-5 kts							
Seas:							
0'-1'							
Disposal location							
Columbia River DWS							

Remarks:	Action Taken:
DR-2 exceeded 10% over background, taken in the plume.	Re-test DR-2R1 was taken.
DR-4 exceeded 10% over background, taken in the plume.	Re-test DR-4R1 was taken.
DR-3 exceeded 10% over background, taken out of the plume,	Re-test DR-3R1 was taken.
on starboard side.	The dredge moved away from the area while continuing dredging to avoid further increasing the turbidity at the location where the exceedence was measured. The dredge coordinates were marked on the GPS screen to insure no further dredging occurred at the location where the exceedence was measured.

Sample Point Key	All Tests Conducted With YSI 6600	Turbidity Compliance	DO Compliance
DR-1	Background - 100' Up Current, Within 600-Foot of Channel		
DR-2	100' Down Current	OR	OR, WA
DR-3	300' Radially from point of dredge (Port or Starboard)	WA	Not Required
DR-4	900' Down Current from point of dredging	WA	Not Required
Rx	Indicates a Re-Test where (x) is the Re-Test number for that particular point		

Project Name/Location: Contract Number: W9127N-05-C-0012

Columbia River Channel Improvement - *RM 13+30 to 14+45*

Date: 09/03/2005

Dredging	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
Load Number	DR-1	18.4	8:43:33	7360080.06	939476.73	2.6	
832	DR-2	20.6	8:45:31	7359614.64	939459.40	39.3	6.2
Tidal Stage	DR-2R1	20.5	8:45:35	7359601.99	939459.92	35.9	6.2
Flood	DR-4	20.2	8:47:06	7359166.76	939252.77	17.3	
Dredge State:	DR-4R1	20.0	8:47:10	7359166.76	939252.77	17.1	
Overflow through	DR-3	19.5	8:50:13	7360655.60	939398.28	25.0	
skimmers only	DR-3R1	19.6	8:50:18	7360655.60	939398.28	17.4	
Weather:							
Overcast							
Wind:							
0-5 kts							
Seas:							
0'-1'							
Disposal location							
Columbia River DWS							

Remarks:	**Action Taken:**
DR-2 exceeded 10% over background, taken in the plume.	Re-test DR-2R1 was taken.
DR-4 exceeded 10% over background, taken in the plume.	Re-test DR-4R1 was taken.
DR-3 exceeded 10% over background, taken out of the plume,	Re-test DR-3R1 was taken.
on starboard side.	The dredge moved away from the area while continuing dredging to avoid
A second test was taken on this load because dredging lasted	further increasing the turbidity at the location where the exceedence was
for over 2 hours.	measured. The dredge coordinates were marked on the GPS screen to
	insure no further dredging occurred at the location where the exceedence
	was measured.

Sample Point Key	All Tests Conducted With YSI 6600	Turbidity Compliance	DO Compliance
DR-1	Background - 100' Up Current, Within 600-Foot of Channel		
DR-2	100' Down Current	OR	OR, WA
DR-3	300' Radially from point of dredge (Port or Starboard)	WA	Not Required
DR-4	900' Down Current from point of dredging	WA	Not Required
Rx	Indicates a Re-Test where (x) is the Re-Test number for that particular point		

Project Name/Location: Contract Number: W9127N-05-C-0012

Columbia River Channel Improvement - *RM 13+30 to 14+45*

Date: 09/03/2005

Dredging	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
Load Number	DR-1	20.3	13:36:42	7359593.20	939861.80	3.0	
833	DR-2	19.9	13:38:23	7360117.58	939669.86	26.6	8.5
Tidal Stage	DR-2R1	19.9	13:38:25	7360130.24	939669.33	26.5	8.5
Flood	DR-4	20.5	13:56:31	7361235.91	939538.66	14.3	
Dredge State:	DR-4R1	20.7	13:56:34	7361244.35	939538.31	14.0	
Overflow through side	DR-3	21.7	13:58:43	7360155.86	939881.20	15.0	
discharge	DR-3R1	18.5	13:58:58	7360181.16	939880.16	5.4	
Weather:							
Partly Cloudy							
Wind:							
0-5 kts							
Seas:							
0-1'							
Disposal location							
Columbia River DWS							

Remarks:	**Action Taken:**
DR-2 exceeded 10% over background, taken in the plume.	Re-test DR-2R1 was taken.
DR-4 exceeded 10% over background, taken in the plume.	Re-test DR-4R1 was taken.
DR-3 exceeded 10% over background, taken out of the plume,	Re-test DR-3R1 was taken.
on starboard side.	The dredge moved away from the area while continuing dredging to avoid further increasing the turbidity at the location where the exceedence was measured. The dredge coordinates were marked on the GPS screen to insure no further dredging occurred at the location where the exceedence was measured.
Delay in testing between points DR-2 and DR-4 due to ship traffic.	

Sample Point Key	All Tests Conducted With YSI 6600	Turbidity Compliance	DO Compliance
DR-1	Background - 100' Up Current, Within 600-Foot of Channel		
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DR-3	300' Radially from point of dredge (Port or Starboard)	WA	Not Required
DR-4	900' Down Current from point of dredging	WA	Not Required
Rx	Indicates a Re-Test where (x) is the Re-Test number for that particular point		

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Date: 09/03/2005

Dredging	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
Load Number	DR-1	20.0	15:52:59	7359367.95	939214.06	1.9	
833	DR-2	21.0	15:54:47	7358989.88	939266.15	9.1	9.9
Tidal Stage	DR-2R1	21.0	15:54:50	7358989.88	939266.15	8.6	9.9
Ebb	DR-4	19.9	15:56:48	7358436.56	939063.88	12.9	
Dredge State:	DR-4R1	20.0	15:56:51	7358436.56	939063.88	10.3	
Overflow through skimmers only	DR-3	20.0	15:59:24	7359361.58	938751.98	15.9	
Weather:	DR-3R1	21.0	15:59:27	7359361.58	938751.98	13.1	
Partly Cloudy							
Wind:							
0-5 kts							
Seas:							
0-1'							
Disposal location							
Columbia River DWS							

Remarks:	**Action Taken:**
DR-2 exceeded 10% over background, taken in the plume.	Re-test DR-2R1 was taken.
DR-4 exceeded 10% over background, taken in the plume.	Re-test DR-4R1 was taken.
DR-3 exceeded 10% over background, taken out of the plume,	Re-test DR-3R1 was taken.
on starboard side.	The dredge moved away from the area while continuing dredging to avoid further increasing the turbidity at the location where the exceedence was measured. The dredge coordinates were marked on the GPS screen to insure no further dredging occurred at the location where the exceedence was measured.
A second test was taken on this load because dredging lasted	
for over 2 hours.	
Delay in 2 hour testing due to dredging delay, cleaning the	
drag arm of debris.	

Sample Point Key	**All Tests Conducted With YSI 6600**	Turbidity Compliance	DO Compliance
DR-1	Background - 100' Up Current, Within 600-Foot of Channel		
DR-2	100' Down Current	OR	OR, WA
DR-3	300' Radially from point of dredge (Port or Starboard)	WA	Not Required
DR-4	900' Down Current from point of dredging	WA	Not Required
Rx	Indicates a Re-Test where (x) is the Re-Test number for that particular point		